Rae Zimmerman, Ph.D.

Dr. Zimmerman is Professor of Planning and Public Administration at New York University's Robert F. Wagner Graduate School of Public Service, where she directs the NSF-funded Institute for Civil Infrastructure Systems (ICIS), and previously directed the Urban Planning Program. She was President of the Society for Risk Analysis in 1997, a more than 2,400 member international, interdisciplinary professional society of scientists, engineers, and social scientists, and prior to that she was President-Elect and Elected Council Member of the Society. She is a Fellow of the American Association for the Advancement of Science and the Society for Risk Analysis. Areas of teaching include: graduate courses in epidemiology, risk management, environmental planning and management, environmental impact assessment and urban infrastructure (including environmental services). She has directed numerous multidisciplinary research grants in these areas and in environmental and hazardous waste management, risk communication, and risk assessment applications to groundwater, chemicals in general, coal gas sites, transportation, and other infrastructure. Recent research includes NSF-funded research on infrastructure performance and U.S. EPA-funded projects on farmers' attitudes toward agricultural practices protective of water quality; social and economic characteristics of communities with inactive hazardous waste sites, and environmental studies for the South Bronx, NY. A major interest is industrial and transportation accidents with environmental ramifications. She has worked on large infrastructure facilities for water treatment, transportation, and waste disposal. Current appointments include: the NAS Army Chemical Stockpile Disposal Program Committee and the U.S. EPA Board of Scientific Counselors and National Drinking Water Advisory Committee's Research Working Group. Selected former positions include: U.S. EPA Science Advisory Board Subcommittee on Residual Risk, National Research Council Board on Infrastructure and the Constructed Environment, the NYS Comparative Risk Committee, NYS Air Toxics Workgroup, the Risk Science Institute meta-analysis group, and the U.S. Congress Office of Technology Assessment Advisory Panel for "Research on Risk Assessment Methodology for Chemical Carcinogens" study (1992-1993). She authored *Governmental Management of Chemical Risk* (1990). Recent publications are on the performance of urban infrastructure services especially during extreme events (*Journal of Urban Technology*, 2001); global warming impacts on infrastructure (Columbia Earth Institute 2001, NY Academy of Sciences, 1996), and risk methodology (co-author, risks of extreme events in *Risk Analysis*, 1999); risk attitudes associated with agricultural pesticides (*Water Resources Research*, 1999; *Risk Analysis*, 1999; *Agriculture, Ecosystems and Environment*, 1999), meta-analysis for health effects of benzene, dioxins, and formaldehyde (*Policy Studies J.*, 1995) and environmental epidemiology guidelines (*Regulatory Toxicology and Pharmacology*, co-author, 1995); impacts of the 1993 Mississippi Floods (*The Sciences*, 1994); environmental equity (*Fordham Urban Law J.*,1994; *Risk Analysis*, 1993; chapters in *Fundamentals of Risk Analysis and Risk Management*, 1997 and *Better Environmental Decisions*, 1999). Earlier publications include chapters in books such as *Dimensions of Hazardous Waste Politics and Policy* (Greenwood, 1988), *Public Health and the Environment* (Guilford, 1987), *Risk Evaluation and Management* (Plenum, 1986), *Risk Analysis in the Private Sector* (Plenum, 1985), and *Low Probability/High Consequence Risk Analysis* (Plenum, 1984). Much of this work results from government-funded research. She has been a consultant to the U.S. Environmental Protection Agency's Superfund program (Region II office) conducting studies of environmental equity around hazardous waste sites. Prior to that, she was with the Agency in water resources management, then a consultant on environmental impact assessment until 1977. Education: A.B., Chemistry, U. of California (Berkeley); Master of City Planning, U. of Pennsylvania; Ph.D., Planning, Columbia University.